

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive Amherst, NY 14228-2298 Tel: (716)691-2600

TestAmerica Job ID: 480-149100-1

Client Project/Site: Benchmark-791 Washington St.(Trico site)

For:

Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Lackawanna, New York 14218

Attn: Mr. Christopher Z Boron

B

Authorized for release by: 2/22/2019 9:19:41 AM

Brian Fischer, Manager of Project Management (716)504-9835

brian.fischer@testamericainc.com

·····LINKS ······

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

_

3

Λ

5

6

8

9

10

12

13

14

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	9
Lab Chronicle	10
Certification Summary	11
Method Summary	12
Sample Summary	13
Chain of Custody	14
Receipt Checklists	15

3

4

6

8

40

11

13

L

Definitions/Glossary

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Qualifiers

GC Semi VOA

X Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry)
MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

b

1

10

4.0

13

14

Case Narrative

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Job ID: 480-149100-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-149100-1

Comments

No additional comments.

Receipt

The sample was received on 2/15/2019 2:14 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9° C.

GC Semi VOA

Method(s) 8082A: Surrogate recovery for the following sample was outside control limits: HYDROLIC LIFT OIL (480-149100-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

3

4

6

a

10

11

46

14

Detection Summary

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

Client Sample ID: HYDRAULIC LIFT OIL

No Detections.

TestAmerica Job ID: 480-149100-1

Lab Sample ID: 480-149100-1

Client Sample Results

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

Lab Sample ID: 480-149100-1

TestAmerica Job ID: 480-149100-1

Matrix: Waste

Client Sample ID: HYDRAULIC LIFT OIL

Date Collected: 02/14/19 11:00 Date Received: 02/15/19 14:14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3.6	0.70	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
PCB-1221	ND		3.6	0.70	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
PCB-1232	ND		3.6	0.70	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
PCB-1242	ND		3.6	0.70	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
PCB-1248	ND		3.6	0.70	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
PCB-1254	ND		3.6	0.17	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
PCB-1260	ND		3.6	0.17	mg/Kg		02/20/19 14:20	02/21/19 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		60 - 154				02/20/19 14:20	02/21/19 18:50	1
DCB Decachlorobiphenyl	63	X	65 - 174				02/20/19 14:20	02/21/19 18:50	1

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Waste Prep Type: Total/NA

			Percent S	Surrogate Recovery (Acceptance Limits)
		TCX2	DCBP2	
Lab Sample ID	Client Sample ID	(60-154)	(65-174)	
480-149100-1	HYDRAULIC LIFT OIL	69	63 X	
LCS 480-459888/2-A	Lab Control Sample	90	110	
LCSD 480-459888/3-A	Lab Control Sample Dup	83	102	
MB 480-459888/1-A	Method Blank	84	101	

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

TestAmerica Buffalo

Page 7 of 15 2/22/2019

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-459888/1-A Client Sample ID: Method Blank

Matrix: Waste Analysis Batch: 460019								Prep Type: To Prep Batch:	
-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3.1	0.61	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
PCB-1221	ND		3.1	0.61	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
PCB-1232	ND		3.1	0.61	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
PCB-1242	ND		3.1	0.61	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
PCB-1248	ND		3.1	0.61	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
PCB-1254	ND		3.1	0.15	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
PCB-1260	ND		3.1	0.15	mg/Kg		02/20/19 14:20	02/21/19 18:02	1
	МВ	МВ							

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Tetrachloro-m-xylene 84 60 - 154 02/20/19 14:20 02/21/19 18:02 DCB Decachlorobiphenyl 65 - 174 02/20/19 14:20 02/21/19 18:02 101

Lab Sample ID: LCS 480-459888/2-A

Matrix: Waste Analysis Batch: 460019							Prep Type: Total/NA Prep Batch: 459888
Analysis Batch. 400019	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
PCB-1016	41.7	44.1		mg/Kg		106	51 - 185
PCB-1260	41.7	45.5		mg/Kg		109	61 - 184

LCS LCS %Recovery Qualifier Surrogate Limits Tetrachloro-m-xylene 90 60 - 154 65 - 174 DCB Decachlorobiphenyl 110

Lab Sample ID: LCSD 480-459888/3-A

Matrix: Waste							Prep Typ	e: Tot	al/NA				
Analysis Batch: 460019								Prep Batch: 459888					
	Spike	LCSD	LCSD				%Rec.		RPD				
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit				
PCB-1016	35.7	33.2		mg/Kg		93	51 - 185	28	50				
PCB-1260	35.7	36.0		mg/Kg		101	61 - 184	23	50				

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	83		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

QC Association Summary

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

GC Semi VOA

Prep Batch: 459888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
480-149100-1	HYDRAULIC LIFT OIL	Total/NA	Waste	3580A
MB 480-459888/1-A	Method Blank	Total/NA	Waste	3580A
LCS 480-459888/2-A	Lab Control Sample	Total/NA	Waste	3580A
LCSD 480-459888/3-A	Lab Control Sample Dup	Total/NA	Waste	3580A

Analysis Batch: 460019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149100-1	HYDRAULIC LIFT OIL	Total/NA	Waste	8082A	459888
MB 480-459888/1-A	Method Blank	Total/NA	Waste	8082A	459888
LCS 480-459888/2-A	Lab Control Sample	Total/NA	Waste	8082A	459888
LCSD 480-459888/3-A	Lab Control Sample Dup	Total/NA	Waste	8082A	459888

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC

Client Sample ID: HYDRAULIC LIFT OIL

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Lab Sample ID: 480-149100-1

Date Collected: 02/14/19 11:00 **Matrix: Waste**

Date Received: 02/15/19 14:14

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3580A			459888	02/20/19 14:20	SGD	TAL BUF
Total/NA	Analysis	8082A		1	460019	02/21/19 18:50	W1T	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority
New York

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method

Program
NELAP

EPA Region
10026

03-31-19

Expiration Date
03-31-19

TestAmerica Buffalo

2/22/2019

Method Summary

Client: Turnkey Environmental Restoration, LLC

Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
3580A	Waste Dilution	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Turnkey Environmental Restoration, LLC Project/Site: Benchmark-791 Washington St.(Trico site)

TestAmerica Job ID: 480-149100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-149100-1	HYDRAULIC LIFT OIL	Waste	02/14/19 11:00	02/15/19 14:14

3

4

Ω

9

11

12

14

	- 60
	Brive
	Inood
	Q1
	M
1	130

10 Hazelwood Orive		Chair	Chain of Custody Record	ord 252761	TestAmerica
Amberst, NY 14228 Phone: 716.691.2600 Fax: 716.691.7991	Regulatory Program:	m: □ pw □ NPDES	S CRA Other:		THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc. TAL-8210 (0713)
Client Contact	Project Manager: ()	Boron	Site Contact:	2 Date: 2/	COC No:
Company Name: Servin months	Tel/Fax:		Lab Contact: B. Fisch	Carrier:	of / cocs
Address: 2558 Hamby Furgile	Analysis Turnaround Time	around Time			Sampler:
	CALENDAR DAYS	WORKING DAYS			For Lab Use Only:
Phone: (7-1c) 8/6 S25X	TAT if different from Belc	Below	(N /		Walk-in Client:
N N	1 week) ×			Job / SDG No.:
	1 0		N/S		
Sample Identification	Sample Sample (C) Date Time 6	Sample Type (C=Comp, G=Grab) Matrix Cont.	Filtered Sa M mnoha99		ecific Notes:
Hyles Lift of	0011	1:0			
			4		
				480-149100 Chain of Custody	tody
Pag					
e 14					
· of 1					
5					
					š
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3;	; 5=NaOH; 6= Other				
				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	ined longer than 1 month)
Are any samples from a listed EPA Hazardous Waste? Plea Comments Section if the lab is to dispose of the sample.	Please List any EPA Waste Codes for the sample in the	des for the sample in	the		
Non-Hazard Flammable Skin Irritant	☐ Poison B	Unknown	Return to Client	Disposal by Lab	or Months
Special Instructions/QC Requirements & Comments:		7			A
Custody Seals Intact:	Custody Seal No.:		Cooler Temp. (°C): Obs'd	(°C): Obs'd:	Therm ID No.:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company	Time:
5 Relinquished by:	Company:	2-15-19 Date/Time:	Received in Laboratory by:	Company:	Date/Time:
019					

Login Sample Receipt Checklist

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-149100-1

Login Number: 149100 List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

Radioactivity either was not measured or, if measured, is at or below background The cooler's custody seal, if present, is intact. True The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. Cooler Temperature is acceptable. True COC is filled out in ink and legible. True COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. True Containers are not broken or leaking. True Sample containers are used. True Sample bottles are completely filled. True There is sufficient vol. for all requested analyses, incl. any requested Mis/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT recessary, staff have been informed of any short hold time or quick TAT recessary provided. True Samples do not require splitting or compositing. Samples requiring field filtration have been filtered in the field. N/A Chlorine Residual checked. N/A Chlorine Residual checked.	Question	Answer	Comment
background The cooler's custody seal, if present, is intact. The cooler's custody seal, if present, is intact. The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. Cooler Temperature is acceptable. True Cooler Temperature is recorded. True COC is present. True COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? True There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTS). Sample containers have legible labels. True Containers are not broken or leaking. True Sample collection date/times are provided. Appropriate sample containers are used. True Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	33.7.7.7		Comment
The cooler's custody seal, if present, is intact. The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. Cooler Temperature is acceptable. True Cooler Temperature is recorded. COC is present. COC is present. COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTS). Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. True Sample Preservation Verified There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A		rue	
tampered with. Samples were received on ice. Cooler Temperature is acceptable. Cooler Temperature is recorded. COC is present. COC is present. COC is filled out in ink and legible. True COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs). Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	-	True	
Cooler Temperature is acceptable. Cooler Temperature is recorded. COC is present. COC is present. COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs). Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A		True	
Cooler Temperature is recorded. COC is present. COC is present. COC is filled out in ink and legible. True COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs). Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. True Sample Preservation Verified There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	Samples were received on ice.	True	
COC is present. COC is filled out in ink and legible. True COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	Cooler Temperature is acceptable.	True	
COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	Cooler Temperature is recorded.	True	
COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? True There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. True Containers are not broken or leaking. True Sample collection date/times are provided. Appropriate sample containers are used. True Sample bottles are completely filled. True Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	COC is present.	True	
Is the Field Sampler's name present on COC? There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	COC is filled out in ink and legible.	True	
There are no discrepancies between the sample IDs on the containers and the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	COC is filled out with all pertinent information.	True	
the COC. Samples are received within Holding Time (Excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	Is the Field Sampler's name present on COC?	True	
Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True True BENCHMARK		True	
Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True True BENCHMARK True Samples requiring field filtration have been filtered in the field.		True	
Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True True BENCHMARK	Sample containers have legible labels.	True	
Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True True BENCHMARK	Containers are not broken or leaking.	True	
Sample bottles are completely filled. Sample Preservation Verified True There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True N/A	Sample collection date/times are provided.	True	
Sample Preservation Verified There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Sampling Company provided. True Samples received within 48 hours of sampling. True Samples requiring field filtration have been filtered in the field. N/A	Appropriate sample containers are used.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True N/A	Sample bottles are completely filled.	True	
MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Sampling Company provided. Samples received within 48 hours of sampling. True Samples requiring field filtration have been filtered in the field. N/A	Sample Preservation Verified	True	
diameter. If necessary, staff have been informed of any short hold time or quick TAT needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Sampling Company provided. True Samples received within 48 hours of sampling. True Samples requiring field filtration have been filtered in the field. N/A		True	
needs Multiphasic samples are not present. Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True BENCHMARK True N/A		True	
Samples do not require splitting or compositing. Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. True BENCHMARK True N/A		True	
Sampling Company provided. Samples received within 48 hours of sampling. Samples requiring field filtration have been filtered in the field. N/A	Multiphasic samples are not present.	True	
Samples requiring field filtration have been filtered in the field. True N/A	Samples do not require splitting or compositing.	True	
Samples requiring field filtration have been filtered in the field. N/A	Sampling Company provided.	True	BENCHMARK
·	Samples received within 48 hours of sampling.	True	
Chlorine Residual checked. N/A	Samples requiring field filtration have been filtered in the field.	N/A	
	Chlorine Residual checked.	N/A	

_

3

4

3

<u>و</u>

11

13

14